

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\  
 Data File : BN004013.D  
 Acq On : 17 Dec 2018 01:51  
 Operator : JU/SJ  
 Sample : J6236-17  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F17

Manual Integrations  
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Quant Time: Dec 17 07:19:29 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 17 06:22:23 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.84  | 152  | 1988     | 0.40   | ng/ul  | 0.00     |
| 2) Naphthalene-d8           | 10.63 | 136  | 10205    | 0.40   | ng/ul  | 0.00     |
| 6) Acenaphthene-d10         | 14.47 | 164  | 6188     | 0.40   | ng/ul  | 0.00     |
| 10) Phenanthrene-d10        | 17.22 | 188  | 15583m   | 0.40   | ng/ul  | 0.00     |
| 16) Chrysene-d12            | 21.40 | 240  | 17109m   | 0.40   | ng/ul  | 0.00     |
| 20) Perylene-d12            | 23.72 | 264  | 14628m   | 0.40   | ng/ul  | 0.00     |
| System Monitoring Compounds |       |      |          |        |        |          |
| 4) 2-Methylnaphthalene-d10  | 12.22 | 152  | 3214     | 0.20   | ng/ul  | 0.00     |
| 14) Fluoranthene-d10        | 19.24 | 212  | 10068m   | 0.22   | ng/ul  | 0.00     |
| Target Compounds            |       |      |          | Ovalue |        |          |
| 7) Acenaphthylene           | 14.20 | 152  | 2517     | 0.090  | ng/ul# | 93       |
| 12) Phenanthrene            | 17.26 | 178  | 3072m    | 0.060  | ng/ul  |          |
| 13) Anthracene              | 17.35 | 178  | 2431m    | 0.058  | ng/ul  |          |
| 15) Fluoranthene            | 19.28 | 202  | 13859m   | 0.229  | ng/ul  |          |
| 17) Pyrene                  | 19.64 | 202  | 13504m   | 0.220  | ng/ul  |          |
| 18) Benzo(a)anthracene      | 21.39 | 228  | 9394m    | 0.174  | ng/ul  |          |
| 19) Chrysene                | 21.44 | 228  | 10437m   | 0.169  | ng/ul  |          |
| 21) Benzo(b)fluoranthene    | 23.02 | 252  | 16353m   | 0.270  | ng/ul  |          |
| 22) Benzo(k)fluoranthene    | 23.06 | 252  | 5425m    | 0.092  | ng/ul  |          |
| 23) Benzo(a)pyrene          | 23.62 | 252  | 7601m    | 0.145  | ng/ul  |          |
| 24) Indeno(1,2,3-cd)pyrene  | 26.08 | 276  | 6427m    | 0.107  | ng/ul  |          |
| 25) Dibenzo(a,h)anthracene  | 26.08 | 278  | 1813m    | 0.037  | ng/ul  |          |
| 26) Benzo(g,h,i)perylene    | 26.82 | 276  | 5948m    | 0.114  | ng/ul  |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

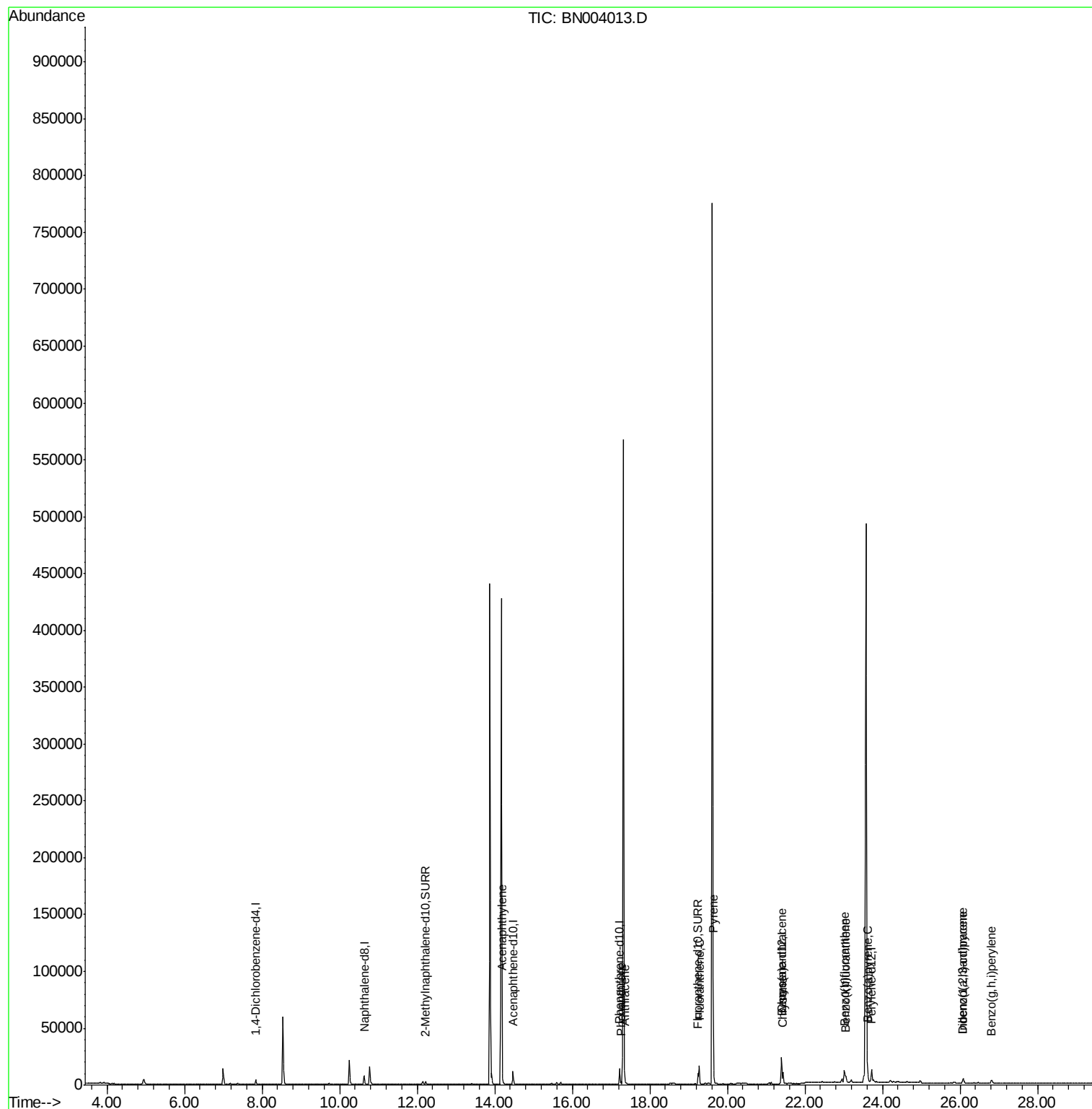
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121618\  
Data File : BN004013.D  
Acq On : 17 Dec 2018 01:51  
Operator : JU/SJ  
Sample : J6236-17  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

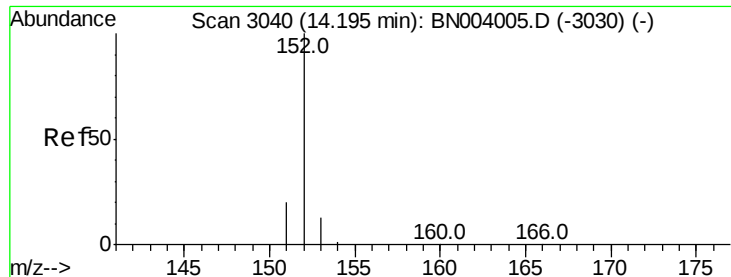
Instrument :  
BNA\_N  
ClientSampleId :  
F9F17

Quant Time: Dec 17 07:19:29 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Dec 17 06:22:23 2018  
Response via : Initial Calibration

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#7

Acenaphthylene

Concen: 0.090 ng/ul

RT: 14.20 min Scan# 3040

Delta R.T. 0.00 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

Instrument :

BNA\_N

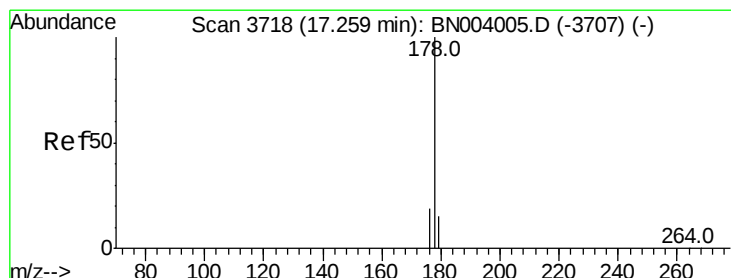
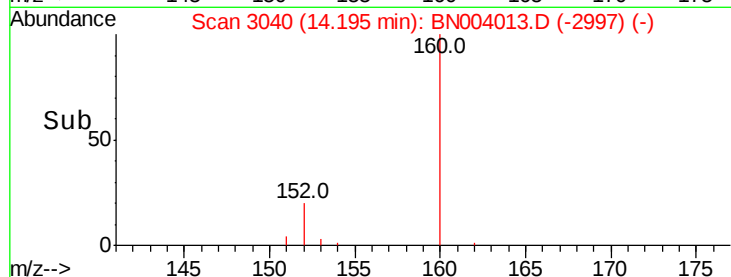
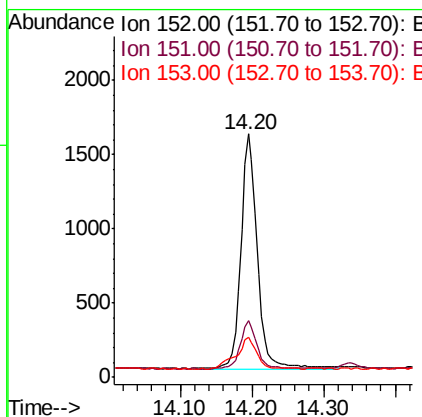
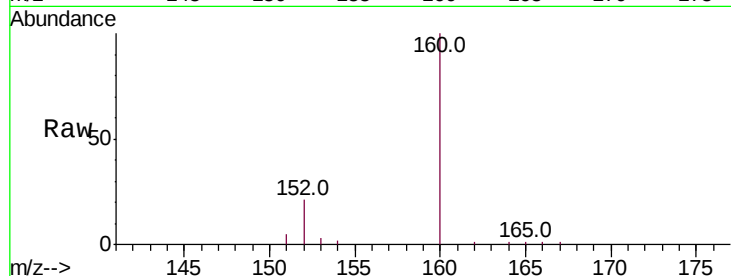
ClientSampled :

F9F17

|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 152   | Resp: | 2517 |
| Ion Ratio | Lower | Upper |      |
| 152       | 100   |       |      |
| 151       | 23.1  | 15.9  | 23.9 |
| 153       | 16.2  | 10.7  | 16.1 |

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#12

Phenanthrene

Concen: 0.060 ng/ul m

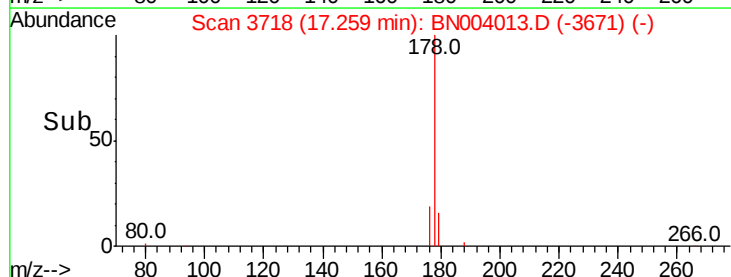
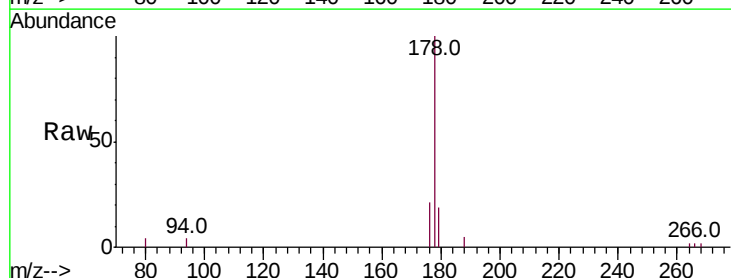
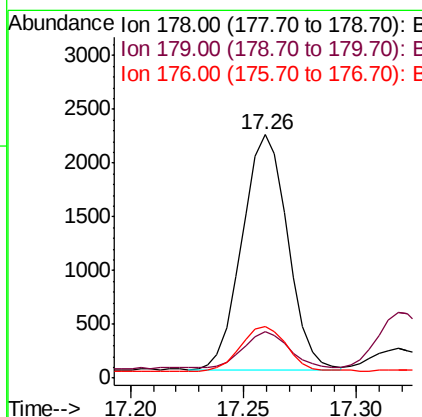
RT: 17.26 min Scan# 3718

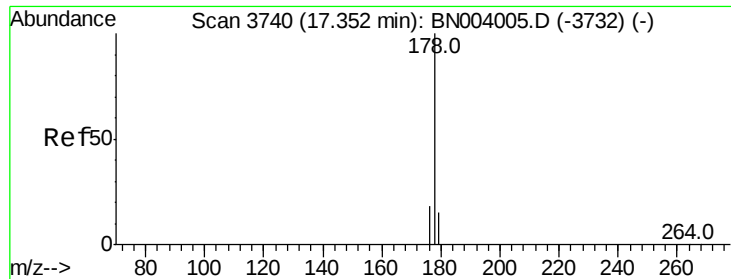
Delta R.T. -0.00 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 178   | Resp: | 3072 |
| Ion Ratio | Lower | Upper |      |
| 178       | 100   |       |      |
| 179       | 18.9  | 12.5  | 18.7 |
| 176       | 21.4  | 15.0  | 22.4 |





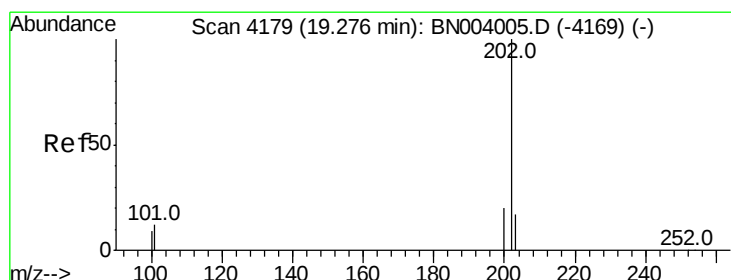
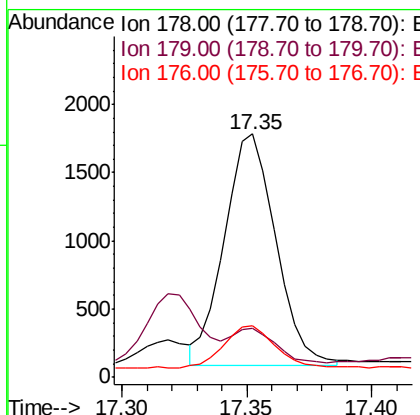
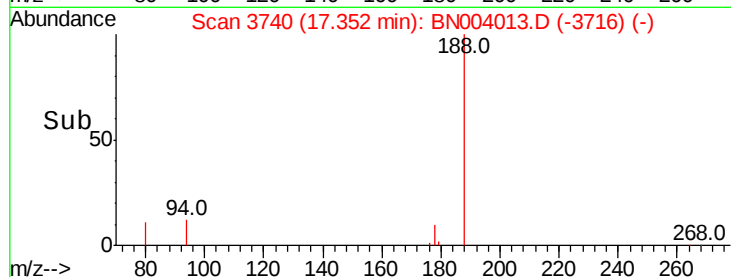
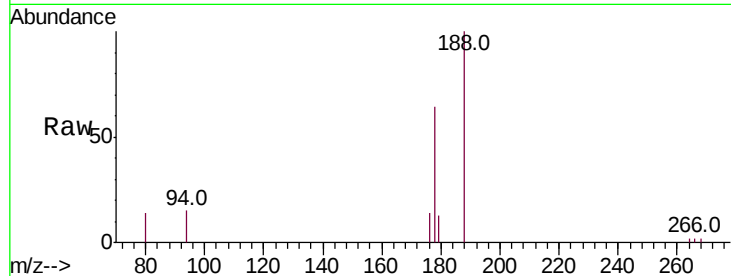
#13  
 Anthracene  
 Concen: 0.058 ng/ul m  
 RT: 17.35 min Scan# 3740  
 Delta R.T. 0.00 min  
 Lab File: BN004013.D  
 Acq: 17 Dec 2018 01:51

Instrument :  
 BNA\_N  
 ClientSampleId :  
 F9F17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 179     | 20.2  | 12.3  | 18.5# |
| 176     | 21.3  | 14.8  | 22.2  |

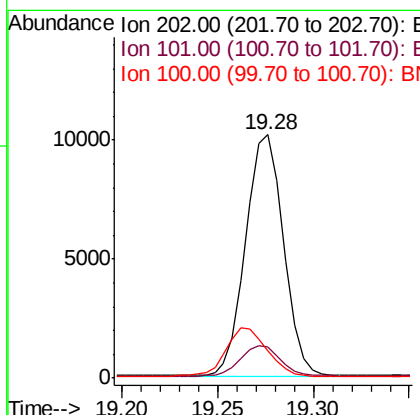
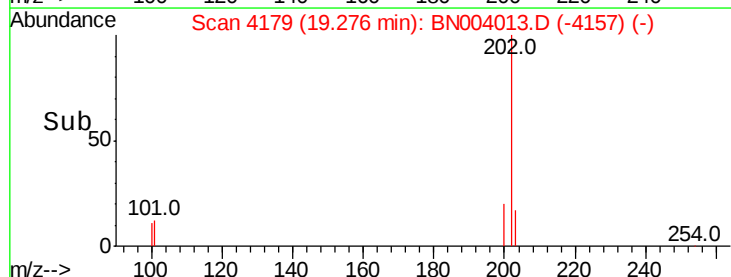
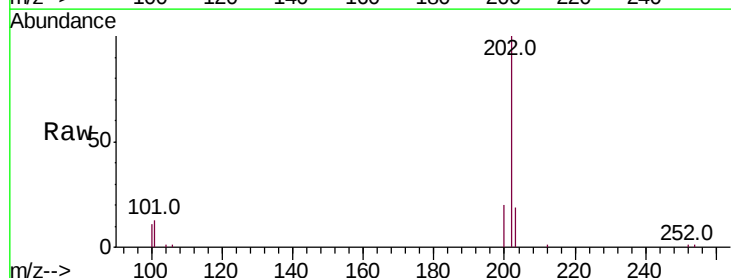
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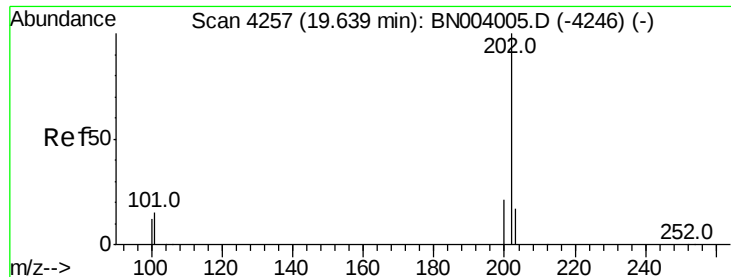
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#15  
 Fluoranthene  
 Concen: 0.229 ng/ul m  
 RT: 19.28 min Scan# 4179  
 Delta R.T. -0.00 min  
 Lab File: BN004013.D  
 Acq: 17 Dec 2018 01:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 0.0   | 30.7  |
| 100     | 11.3  | 0.0   | 28.1  |





#17

Pvrene

Concen: 0.220 ng/ul m

RT: 19.64 min Scan# 4257

Delta R.T. -0.00 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

Instrument :

BNA\_N

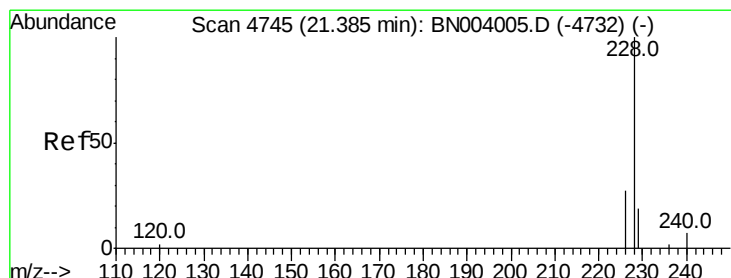
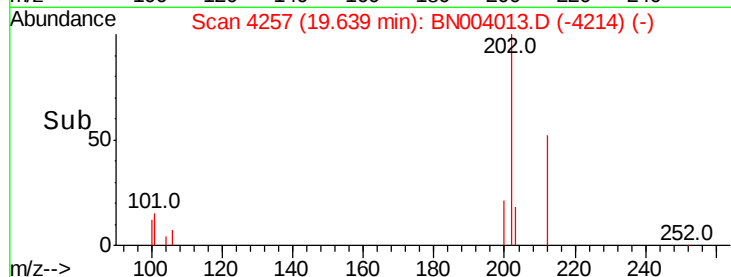
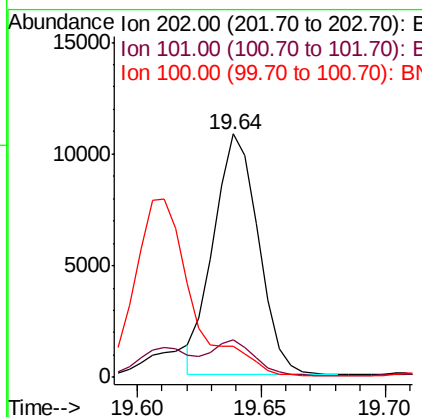
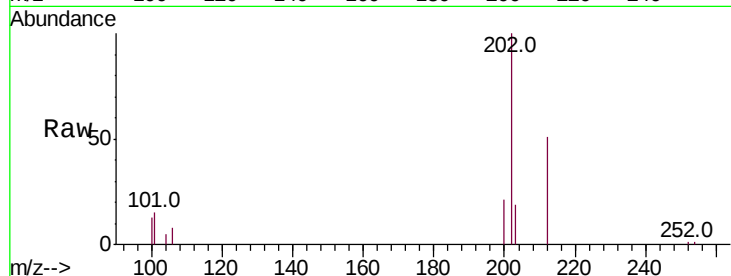
ClientSampled :

F9F17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 202   | Resp: | 13504 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 15.3  | 10.3  | 15.5  |
| 100       | 12.6  | 8.5   | 12.7  |

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#18

Benzo(a)anthracene

Concen: 0.174 ng/ul m

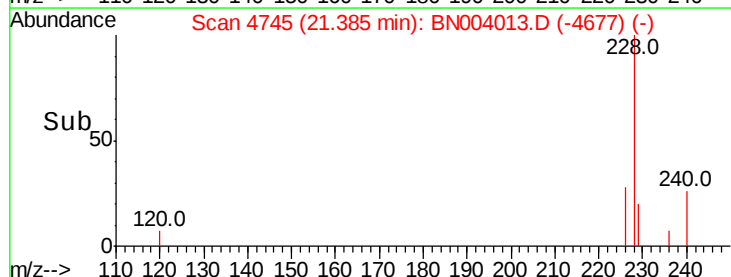
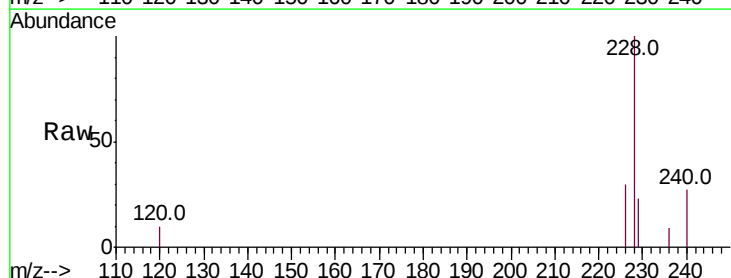
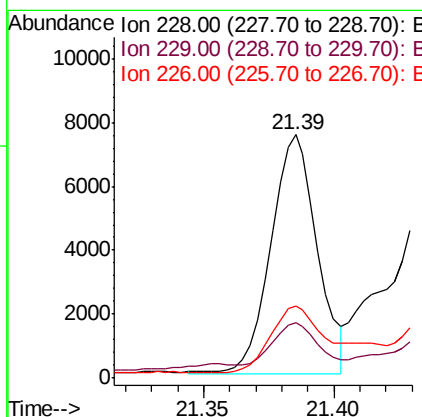
RT: 21.39 min Scan# 4745

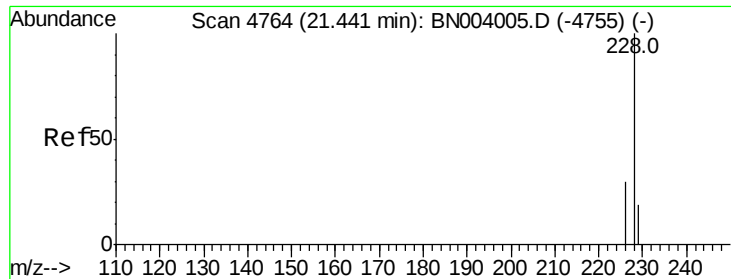
Delta R.T. 0.00 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 9394 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 229       | 22.9  | 15.6  | 23.4 |
| 226       | 29.6  | 21.1  | 31.7 |





#19

Chrysene

Concen: 0.169 ng/ul m

RT: 21.44 min Scan# 4763

Delta R.T. -0.00 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

Instrument :

BNA\_N

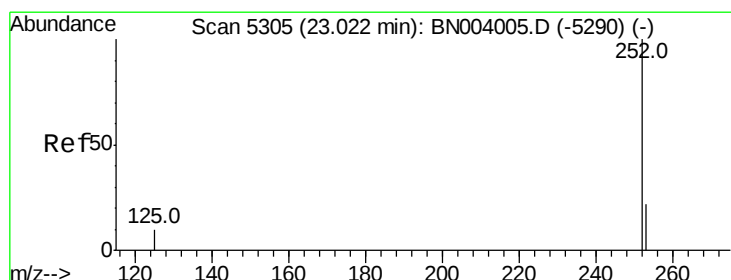
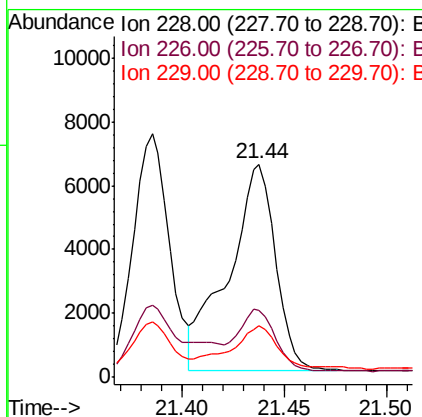
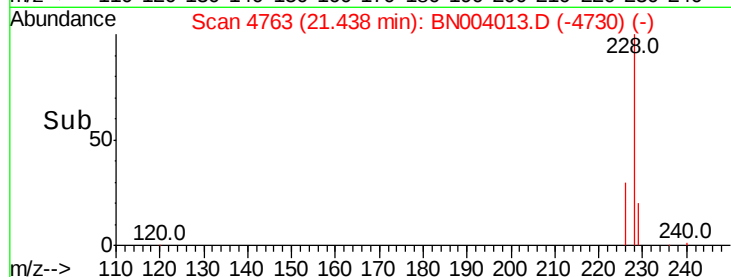
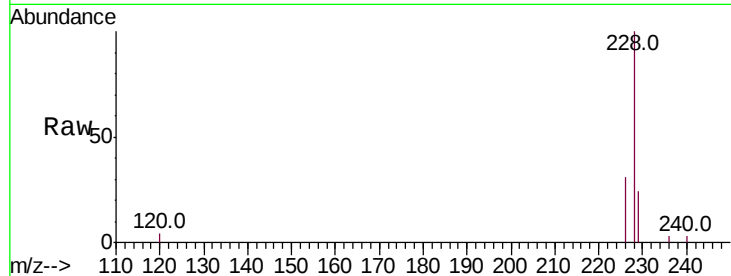
ClientSampled :

F9F17

|             |       |            |
|-------------|-------|------------|
| Tot Ion:228 | Resp: | 10437      |
| Ion Ratio   | Lower | Upper      |
| 228         | 100   |            |
| 226         | 31.4  | 24.0 36.0  |
| 229         | 24.1  | 15.7 23.5# |

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#21

Benzo(b)fluoranthene

Concen: 0.270 ng/ul m

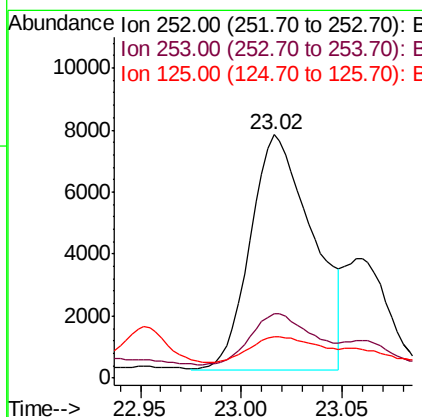
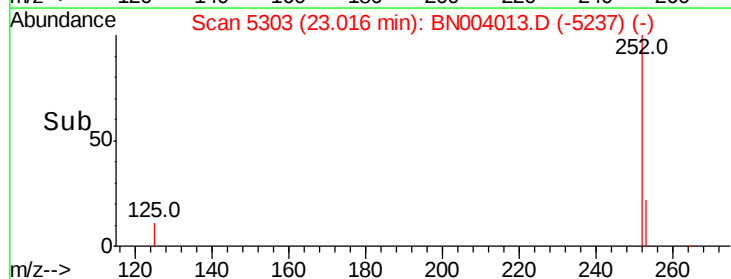
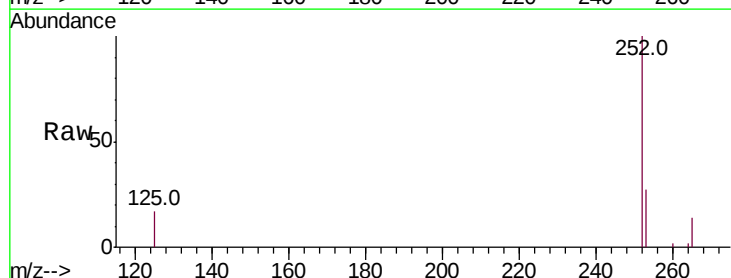
RT: 23.02 min Scan# 5303

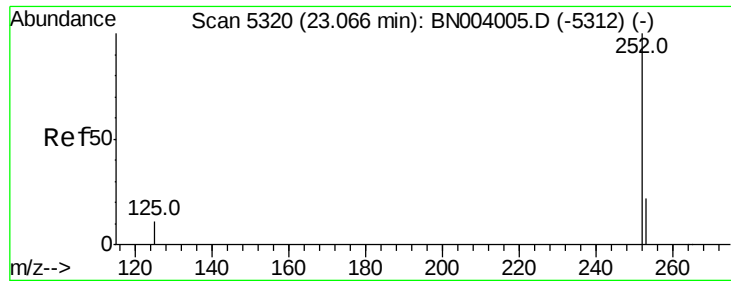
Delta R.T. -0.01 min

Lab File: BN004013.D

Acq: 17 Dec 2018 01:51

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:252 | Resp: | 16353    |
| Ion Ratio   | Lower | Upper    |
| 252         | 100   |          |
| 253         | 26.6  | 0.0 46.0 |
| 125         | 17.0  | 0.0 22.4 |





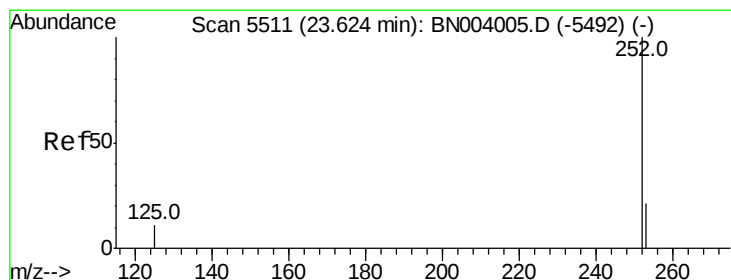
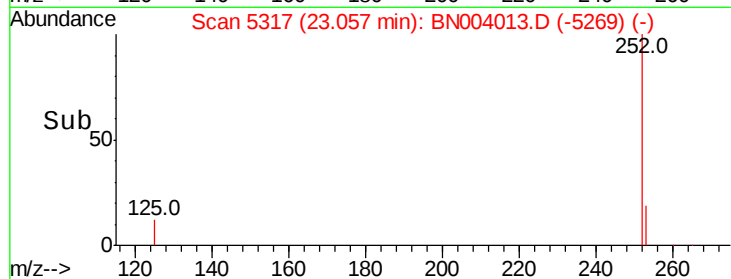
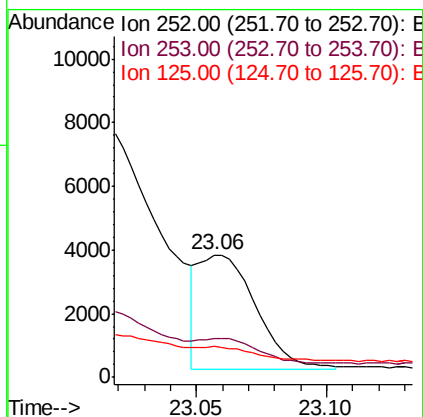
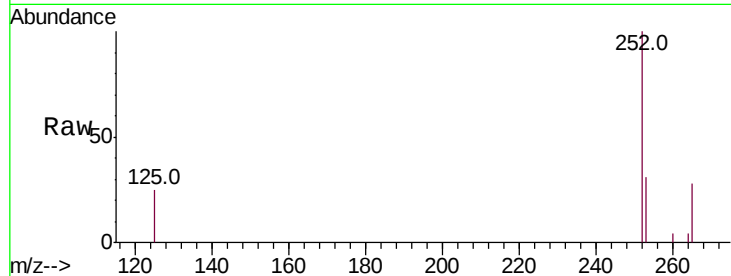
#22  
Benzo(k)fluoranthene  
Concen: 0.092 ng/ul m  
RT: 23.06 min Scan# 5317  
Delta R.T. -0.01 min  
Lab File: BN004013.D  
Acq: 17 Dec 2018 01:51

Instrument :  
BNA\_N  
ClientSampled :  
F9F17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 31.3  | 18.5  | 27.7# |
| 125     | 25.1  | 9.0   | 13.6# |

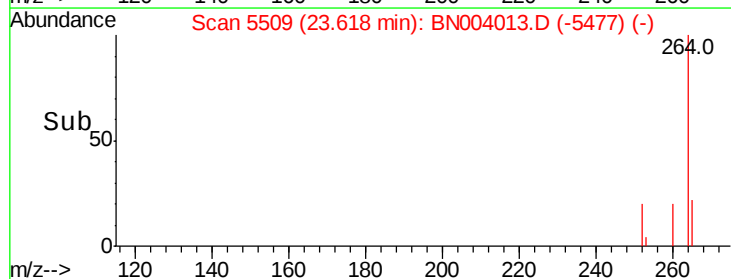
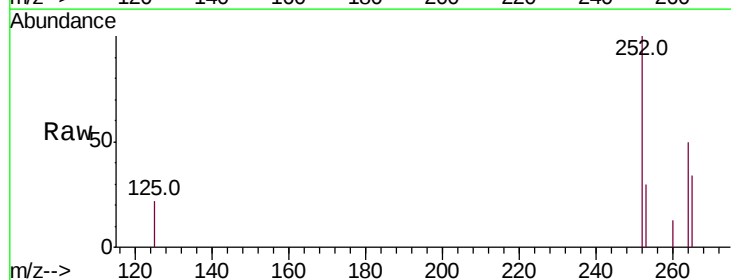
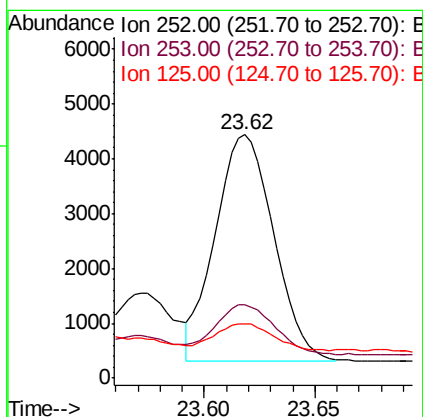
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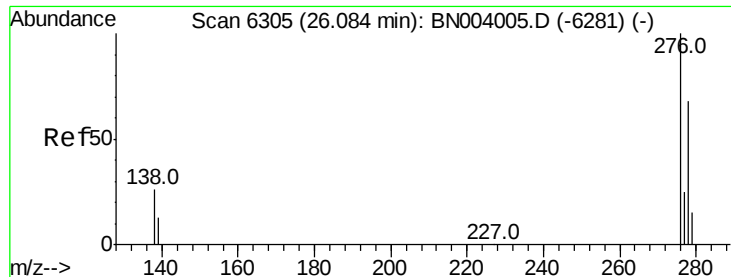
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#23  
Benzo(a)pyrene  
Concen: 0.145 ng/ul m  
RT: 23.62 min Scan# 5509  
Delta R.T. -0.01 min  
Lab File: BN004013.D  
Acq: 17 Dec 2018 01:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 30.3  | 19.0  | 28.4# |
| 125     | 22.4  | 10.2  | 15.4# |





#24

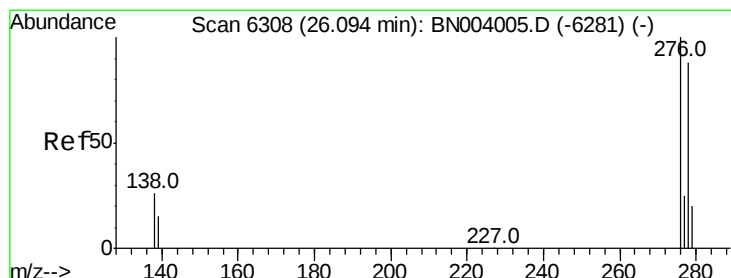
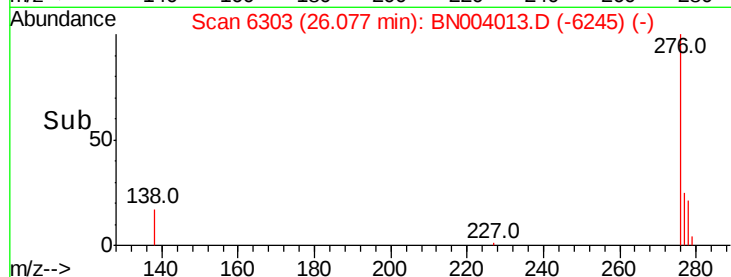
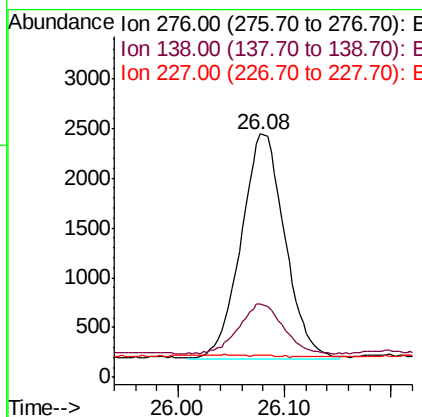
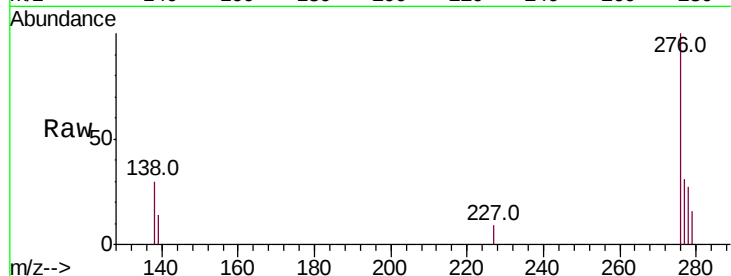
Indeno(1,2,3-cd)pyrene  
Concen: 0.107 ng/ul m  
RT: 26.08 min Scan# 6303  
Delta R.T. -0.01 min  
Lab File: BN004013.D  
Acq: 17 Dec 2018 01:51

Instrument :  
BNA\_N  
ClientSampled :  
F9F17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 1.0   | 20.3  | 30.5# |
| 227     | 0.0   | 0.2   | 0.2#  |

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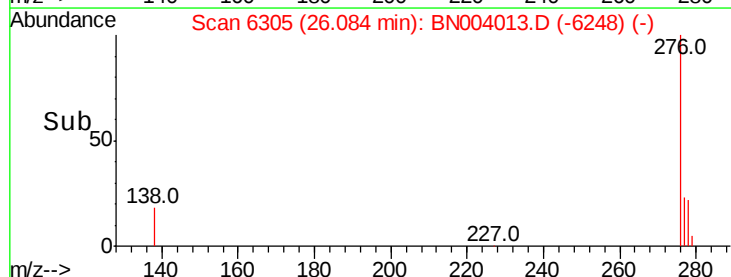
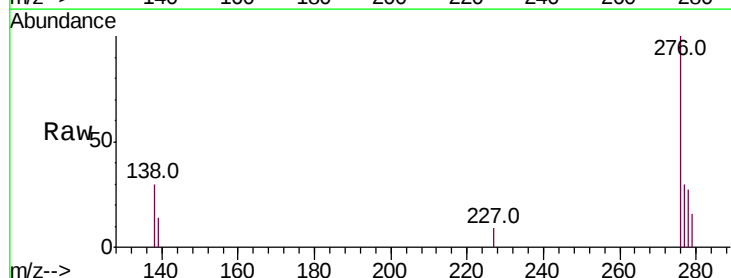
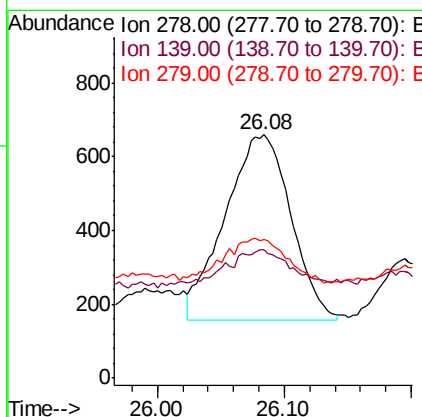
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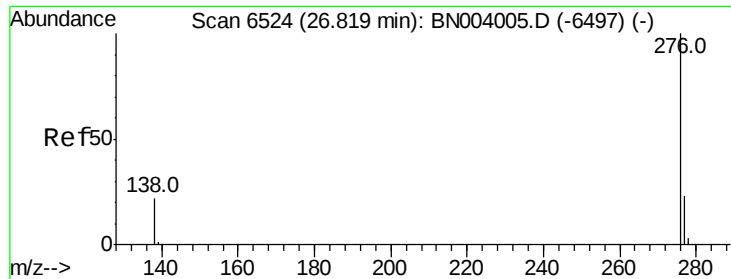


#25

Dibenzo(a,h)anthracene  
Concen: 0.037 ng/ul m  
RT: 26.08 min Scan# 6305  
Delta R.T. -0.01 min  
Lab File: BN004013.D  
Acq: 17 Dec 2018 01:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 52.7  | 14.2  | 21.4# |
| 279     | 56.8  | 19.8  | 29.6# |





#26  
Benzo(a,h,i)perylene  
Concen: 0.114 ng/ul m  
RT: 26.82 min Scan# 6523  
Delta R.T. -0.00 min  
Lab File: BN004013.D  
Acq: 17 Dec 2018 01:51

Instrument :  
BNA\_N  
ClientSampleId :  
F9F17

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 32.6  | 17.7  | 26.5# |
| 277     | 31.8  | 19.3  | 28.9# |

Manual Integrations  
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